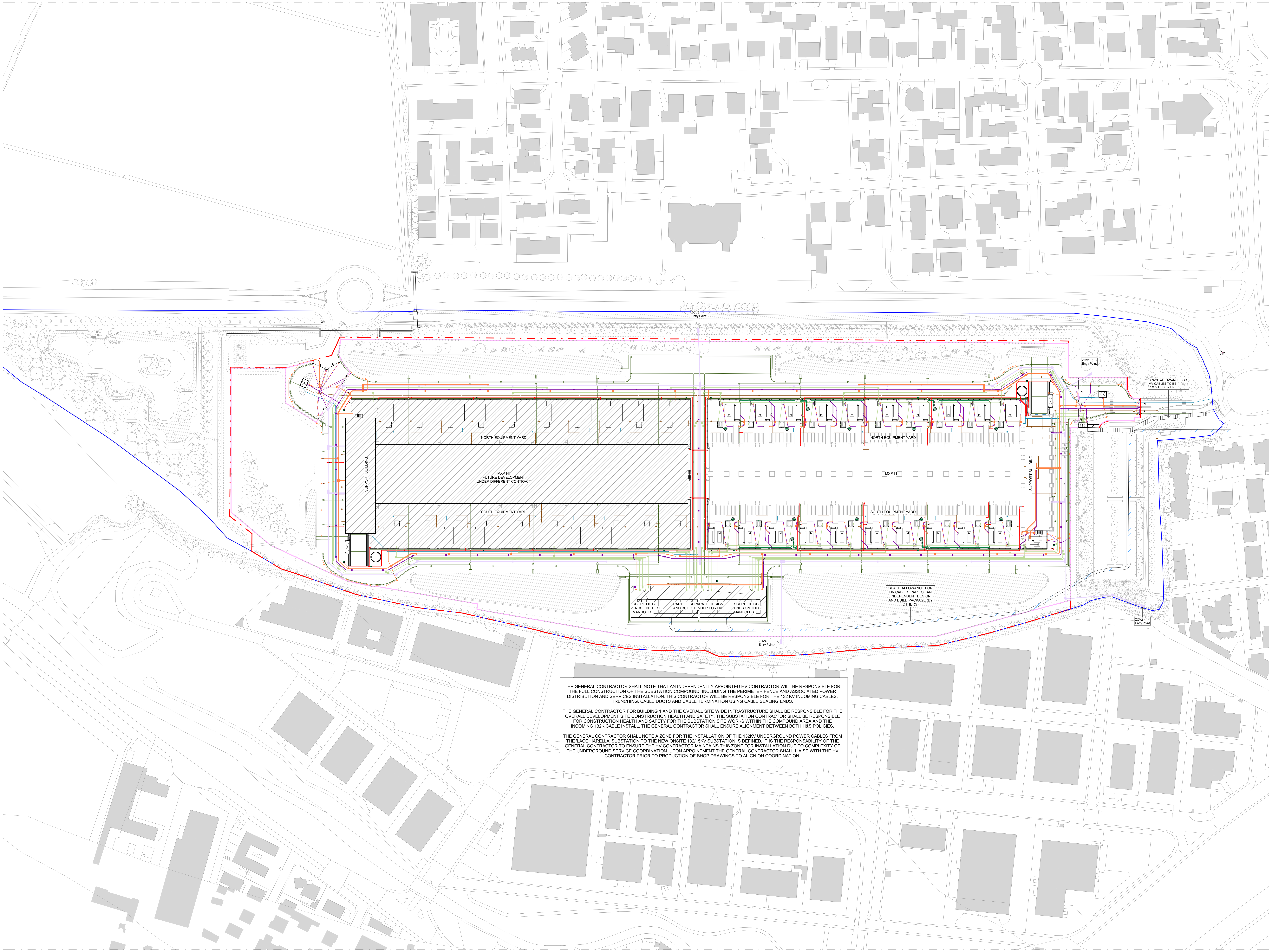

ZCV3
Entry Point
ZCV1
Entry Point
SPACE ALLOWANCE FOR
MV CABLES TO BE
PROVIDED BY ENEL
1
2
3
NORTH EQUIPMENT YARD
MXP I-II
FUTURE DEVELOPMENT
UNDER DIFFERENT CONTRACT
SUPPORT BUILDING
SOUTH EQUIPMENT YARD
NORTH EQUIPMENT YARD
MXP I-I
SUPPORT BUILDING
SOUTH EQUIPMENT YARD
SCOPE OF GC
ENDS ON THESE
MANHOLES
PART OF SEPARATE DESIGN
AND BUILD TENDER FOR HV
SCOPE OF GC
ENDS ON THESE
MANHOLES
SPACE ALLOWANCE FOR
HV CABLES PART OF AN
INDEPENDENT DESIGN
AND BUILD PACKAGE (BY
OTHERS)
ZCV4
Entry Point
ZCV2
Entry Point

THE GENERAL CONTRACTOR SHALL NOTE THAT AN INDEPENDENTLY APPOINTED HV CONTRACTOR WILL BE RESPONSIBLE FOR THE FULL CONSTRUCTION OF THE SUBSTATION COMPOUND, INCLUDING THE PERIMETER FENCE AND ASSOCIATED POWER DISTRIBUTION AND SERVICES INSTALLATION. THIS CONTRACTOR WILL BE RESPONSIBLE FOR THE 132 KV INCOMING CABLES, TRENCHING, CABLE DUCTS AND CABLE TERMINATION USING CABLE SEALING ENDS.

THE GENERAL CONTRACTOR FOR BUILDING 1 AND THE OVERALL SITE WIDE INFRASTRUCTURE SHALL BE RESPONSIBLE FOR THE OVERALL DEVELOPMENT SITE CONSTRUCTION HEALTH AND SAFETY. THE SUBSTATION CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION HEALTH AND SAFETY FOR THE SUBSTATION SITE WORKS WITHIN THE COMPOUND AREA AND THE INCOMING 132K CABLE INSTALL. THE GENERAL CONTRACTOR SHALL ENSURE ALIGNMENT BETWEEN BOTH H&S POLICIES.

THE GENERAL CONTRACTOR SHALL NOTE A ZONE FOR THE INSTALLATION OF THE 132KV UNDERGROUND POWER CABLES FROM THE 'LACCHIARELLA' SUBSTATION TO THE NEW ONSITE 132/15KV SUBSTATION IS DEFINED. IT IS THE RESPONSABILITY OF THE GENERAL CONTRACTOR TO ENSURE THE HV CONTRACTOR MAINTAINS THIS ZONE FOR INSTALLATION DUE TO COMPLEXITY OF THE UNDERGROUND SERVICE COORDINATION. UPON APPOINTMENT THE GENERAL CONTRACTOR SHALL LIAISE WITH THE HV CONTRACTOR PRIOR TO PRODUCTION OF SHOP DRAWINGS TO ALIGN ON COORDINATION.

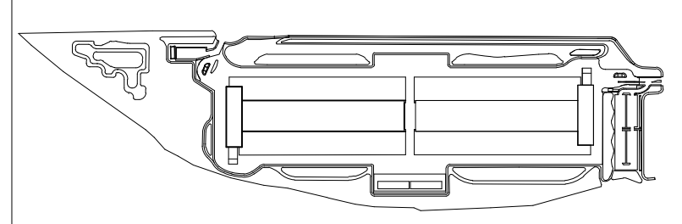
General Notes

1. This drawing has been checked in accordance with Black & White Engineering (B&W) QA checking procedures.
2. Do not scale from this drawing. All dimensions indicated are in metres unless otherwise stated. Validate all measurements on site.
3. All plant and equipment dimensions are typical. The Contractor should show actual, approved plant and equipment sizes.
4. This drawing is to be read in conjunction with all relevant B&W MEP specifications, schedules and standard key to symbols sheet.
5. Any discrepancies between the drawings and other documents should be brought to the attention of the engineer.
6. This drawing is not an installation drawing. It is the Contractors responsibility to make final coordinated installation shop drawings.
7. Final ceiling coordination subject to interior design package.
8. Contractor to coordinate final distribution routes with available sleeves and openings in beams / structure.
9. The contents of this drawing shall be read in conjunction with the current revisions of other relevant Architectural, Structural, Mechanical and Electrical drawings and all relevant sections of the specifications.

1000 0 1000 2000 3000 4000
SCALE 1:1000

N

Key Plan



LEGEND:

▬	Development Area
▬ · ▬	Private Building Area
▬	Site Security Fence
▶	Entrance / Exit
①	15kV MV Customer Connection Switchroom
②	ENEL Bridging Power 15kV MV Switchroom
③	Security Kiosk

LEGEND:UGS

🟩	Medium Voltage Systems
🟧	Low Voltage Systems
🟪	Extra-low Voltage Systems
▬	Fiber Systems
🟥	Fire Protection System
🟩	Storm Water, Deoiling Systems, Draining Trench
🟦	District Water System
🟫	Waste Water System

Notes:

1. GC to provide concrete protection to services where 50 cm cover cannot be achived.
2. GC can propose to consolidate adjacent MV duct bank at no cost impact. However distance between duct must be kept at a minimum of 500 mm.
3. All services under MXP I-II yard, building and support building shall be capped 1m past the border represented by the MXP I-II hatch in this drawing. GC to coordinate/install isolation valves as required.
4. Utilities Under ring Road & West Entrance to be fully installed on MXP I-I Phase 1. This excludes Surface Water Drainage pipework.

Rev	Details	By / Chkd / App	Date
P06	Issued for Construction	MG / RBDN / PR	21/07/2023
P05	Issued for Compass Review	MG / RBDN / PR	23/06/2023
P04	Issued for Construction	MG / RBDN / PR	23/02/2023
P03	Issued for Construction	MG / RBDN / PR	17/02/2023
P02	Issued for Compass Review	MG / RBDN / PR	20/01/2023
P01	Issued for QA/QC	CRLR / PR / PR	16/01/2023

Client

COMPASS
datacenters

Architectural / Civil / Structural

MAESTRALE

STARCHING

ARIATTA
INGEGNERIA DEI SISTEMI SPA

Redesco
Structural
Engineering

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Project Title
MXP I-I

Drawing Title
Overall Site Plan UGS MXP

Project Status
Issued for Construction

Discipline
Civil

Status Code
S5

Project Number
P10424

Scale @ A0
1:1000

Revision
P06

Drawing Number
CU100